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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L34	L30 and partial same encrypt\$7	3
<input type="checkbox"/>	L33	L30 and partial near4 encrypt\$7	0
<input type="checkbox"/>	L32	L30 and partial adj encrypt\$7	0
<input type="checkbox"/>	L31	L30 and parial adj encrypt\$7	0
<input type="checkbox"/>	L30	YAMAGUCHI.in. or MASAHIKO.in. and image and voice and encrypt\$4	92661
<input type="checkbox"/>	L29	L25 same encrypt\$4 and bit\$2	5
<input type="checkbox"/>	L28	2L21	16
<input type="checkbox"/>	L27	L25 same encrypt\$4 and bit\$s	5
<input type="checkbox"/>	L26	L25 same encrypt\$4	5
<input type="checkbox"/>	L25	pixels same bit\$2 near3 position\$2	2122
<input type="checkbox"/>	L24	pixels and bit\$2 near3 position42	0
<input type="checkbox"/>	L23	pixels same bit\$2 near3 position42	0
<input type="checkbox"/>	L22	pixels same bit adj position42	0
<input type="checkbox"/>	L21	L20 and bit\$4	25
<input type="checkbox"/>	L20	voice and partial adj encrypt\$4	29
<input type="checkbox"/>	L19	voice same partial adj encrypt\$4	0
<input type="checkbox"/>	L18	voice near4 partial adj encrypt\$4	0
<input type="checkbox"/>	L17	voice nra4 partial adj encrypt\$4	270978
<input type="checkbox"/>	L16	5805700.pn.	2
<input type="checkbox"/>	L15	L14 near10 encrypt\$4	56
<input type="checkbox"/>	L14	MPEG near10 bit\$4	5376
<input type="checkbox"/>	L13	6314188.pn.	2
<input type="checkbox"/>	L12	L11 and partial	6
<input type="checkbox"/>	L11	(5363448 5381480 5432848 5606616 5623549 5671283 5673319 5694473 5745577 5757913 5825886 5949884 5987124)![pn]	26
<input type="checkbox"/>	L10	L9 same encrypt\$4	15
<input type="checkbox"/>	L9	voice same 16 adj bit\$4	985
<input type="checkbox"/>	L8	voice same 15 same 11 same 7 same 3 same encrypt\$4	34
<input type="checkbox"/>	L7	voice same 15 same 11sam7 sam3 same encrypt\$4	0
<input type="checkbox"/>	L6	L5 and partial	21

<input type="checkbox"/>	L5	L4 and encrypt\$4	65
<input type="checkbox"/>	L4	L3 and bit adj pattern	205
<input type="checkbox"/>	L3	713/176;380/217,258,54;382/209,232,192.ccls.	4748
<input type="checkbox"/>	L2	5764770.pn.	2
<input type="checkbox"/>	L1	576470.pn.	2

END OF SEARCH HISTORY

09527691_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09527691 on April 18, 2005

Original Classifications

5 380/203
2 369/53.21
2 705/52
2 713/160
2 713/193
2 713/201

Cross-Reference Classifications

6 380/201
5 705/51
5 705/57
4 380/239
4 380/241
4 713/193
3 713/200
2 370/474
2 370/522
2 380/200
2 380/29
2 386/111
2 705/58
2 713/189
2 713/201
2 725/31

Combined Classifications

6 380/201
6 713/193
5 380/203
5 380/239
5 705/51
5 705/57
4 380/241
4 713/200
4 713/201
3 386/111
3 713/160
2 369/53.21
2 370/474
2 370/522
2 375/240.28
2 380/200
2 380/29
2 380/37
2 380/42
2 380/46
2 380/59
2 705/52
2 705/58
2 713/189
2 725/31

09527691_CLSTITLES
Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 09527691 on April 18, 2005

- 6 380/201 (0 OR, 6 XR)
Class 380 : CRYPTOGRAPHY
380/200 VIDEO CRYPTOGRAPHY
380/201 .Copy protection or prevention
- 6 713/193 (2 OR, 4 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/189 DATA PROCESSING PROTECTION USING CRYPTOGRAPHY
713/193 .By stored data protection
- 5 380/203 (5 OR, 0 XR)
Class 380 : CRYPTOGRAPHY
380/200 VIDEO CRYPTOGRAPHY
380/201 .Copy protection or prevention
380/203 ..Having copy protect signal
- 5 380/239 (1 OR, 4 XR)
Class 380 : CRYPTOGRAPHY
380/200 VIDEO CRYPTOGRAPHY
380/210 .Video electric signal modification (e.g.,
scrambling)
380/239 ..Encrypted code control signal
- 5 705/51 (0 OR, 5 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY
705/51 .Usage protection of distributed data files
- 5 705/57 (0 OR, 5 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY
705/51 .Usage protection of distributed data files
705/57 ..Copy protection or prevention
- 4 380/241 (0 OR, 4 XR)
Class 380 : CRYPTOGRAPHY
380/200 VIDEO CRYPTOGRAPHY
380/210 .Video electric signal modification (e.g.,
scrambling)
380/240 ..Including addressed decoder control signal
380/241 ...Having program ID or authorization
- 4 713/200 (1 OR, 3 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/200 SECURITY
- 4 713/201 (2 OR, 2 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/200 SECURITY
713/201 .Computer network
- 3 386/111 (1 OR, 2 XR)
Class 386 : TELEVISION SIGNAL PROCESSING FOR DYNAMIC

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386/46	RECORDING OR REPRODUCING PROCESSING OF TELEVISION SIGNAL FOR DYNAMIC RECORDING OR REPRODUCING
386/109	.Compressing in recording or decompressing in reproducing
386/111	..Intraframe or interframe
 3 713/160 (2 OR, 1 XR)	
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: SUPPORT	
713/150 MULTIPLE COMPUTER COMMUNICATION USING CRYPTOGRAPHY	
713/160 .Packet header designating cryptographically protected data	
 2 369/53.21 (2 OR, 0 XR)	
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL	
369/53.1 CONDITION INDICATING, MONITORING, OR TESTING	
369/53.11 .Including radiation storage or retrieval	
369/53.2 ..Of record carrier	
369/53.21 ...For protection	
 2 370/474 (0 OR, 2 XR)	
Class 370 : MULTIPLEX COMMUNICATIONS	
370/473 ..Transmission of a single message having multiple packets	
370/474 .Assembly or disassembly of messages having address headers	
 2 370/522 (0 OR, 2 XR)	
Class 370 : MULTIPLEX COMMUNICATIONS	
370/473 ..Transmission of a single message having multiple packets	
370/498 .Combining or distributing information via time channels	
370/522 ..Signaling (ancillary to main information)	
 2 375/240.28 (1 OR, 1 XR)	
Class 375 : PULSE OR DIGITAL COMMUNICATIONS	
375/240 BANDWIDTH REDUCTION OR EXPANSION	
375/240.01 .Television or motion video signal	
375/240.26 ..Associated signal processing	
375/240.28 ...Synchronization	
 2 380/200 (0 OR, 2 XR)	
Class 380 : CRYPTOGRAPHY	
380/200 VIDEO CRYPTOGRAPHY	
 2 380/29 (0 OR, 2 XR)	
Class 380 : CRYPTOGRAPHY	
380/28 PARTICULAR ALGORITHMIC FUNCTION ENCODING	
380/29 .NBS/DES algorithm	
 2 380/37 (1 OR, 1 XR)	
Class 380 : CRYPTOGRAPHY	
380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY	
380/36 .Time segment interchange	
380/37 ..Block/data stream enciphering	
 2 380/42 (1 OR, 1 XR)	
Class 380 : CRYPTOGRAPHY	
380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY	
380/42 .Data stream/substitution enciphering	

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2 380/46 (1 OR, 1 XR)
Class 380 : CRYPTOGRAPHY
380/277 KEY MANAGEMENT
380/44 .Having particular key generator
380/46 ..Nonlinear (e.g., pseudorandom)

2 380/59 (1 OR, 1 XR)
Class 380 : CRYPTOGRAPHY
380/59 MISCELLANEOUS

2 705/52 (2 OR, 0 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY
705/51 .Usage protection of distributed data files
705/52 ..Usage or charge determination

2 705/58 (0 OR, 2 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY
705/51 .Usage protection of distributed data files
705/57 ..Copy protection or prevention
705/58 ...Having origin or program ID

2 713/189 (0 OR, 2 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/189 DATA PROCESSING PROTECTION USING CRYPTOGRAPHY

2 725/31 (0 OR, 2 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/28 .of specific program (e.g., based on program
rating)
725/31 ..with encryption or scrambling of video signal

above 5
abstract 1
accompanying 1
accord 1
accordance 6
according 13
according 1
ach 1
achieves 5
act 1
acts 1
actua 1
advantages 1
after 1
all 6
almost 2
also 4
although 1
among 1
an 50
analys 2
analysis 9
analyzed 8
analyzes 2
analyzing 14
and 64
another 5
apd 1
apparatus 11
apparatuses 1
apparent 1
apparently 1
appended 1
applicable 2
application 1
applied 1
are 20
art 2
as 14
aspect 6
assigned 1
assumed 2
at 18
avoid 1
background 2
be 30
because 1
become 1
becomes 1
been 1
being 1
besides 1
between 3
bit 1
bits 29
block 5
board 2
brief 1
buffer 45
but 8
by 45
can 9
capable 1

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card 1
case 5
cat 1
causing 2
cd 2
ce 1
certain 1
cfo 1
ch 4
chart 10
charts 1
checked 2
cipher 3
ciphering 3
claims 2
co 1
code 7
codes 20
contains 1
colors 3
commun 1
communication 8
communications 1
completely 1
complicated 1
compressed 5
compresses 1
compressing 4
compression 5
comprising 6
computer 15
connected 3
constituted 3
constitutes 1
contains 1
contents 11
contro 1
control 1
control 10
controlling 2
convers 2
conversion 19
correct 2
corresponding 2
cpu 2
cryptosystem 1
cuiar 1
cular 1
data 157
datas 1
decrypted 4
decrypting 5
decryption 7
decryptipn 1
defined 1
degree 1
departing 1
des 1
described 10
description 5
detailed 1
determine 2
determining 1

device 1
devices 2
diagram 6
different 1
difficult 1
directly 5
disclosure 1
discrete 2
discriminates 1
discriminating 1
discrimination 2
discussed 1
disk 3
display 1
distinctive 1
distribut 1
distribution 3
draw 1
drawings 1
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easily 1
ed 1
effective 1
effects 2
eight 3
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embodiment 29
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encrypted 47
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even 2
eves 1
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extracting 40
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fferent 1
field 1
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figs 3
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first 2
floppy 1
flow 9
follow 2
follows 2
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form 5
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fourth 4
frequency 1
from 19
funct 2
function 3
functions 6
fundamental 1
generat 1
generated 5
generating 4
hard 2
has 2
having 7
high 4
higher 1
however 2
huffman 1
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iliustrating 1
illegai 1
illustrate 2
illustrates 4
illustrating 11
illistratlng 1
image 16
imited 1
important 3
impossible 2
in 56
includes 2
including 3
information 4
input 38
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inserted 1
into 1
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invention 33
inventlon 1
is 71
it 13
its 1
izing 1
judged 1
kept 1
level 2
like 5
l1th 3
llustrating 2
Invention 1
long 1
longer 1
lost 1
low 2
lower 1
lowered 1
lustrating 1
made 3
mage 1
magnetic 1
magnetooptical 1

make 1
many 1
masked 1
match 1
matching 1
may 2
means 17
med 2
medium 6
memory 2
ment 1
mentl 1
menty 1
method 9
methods 1
modulation 1
more 1
mpu 1
necessary 1
network 2
next 1
nformation 1
ng 18
ngs 1
nonvolatile 1
not 24
nput 5
nt 1
nter 1
nterface 1
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number 1
numeral 32
nvent 1
nvention 2
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oo 1
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per 2
perform 5
performing 1
personal 1
pixel 4
plurality 1
port 3
portion 29
possibility 1
possible 1
pr 2
preceding 1
predetermined 1
preferred 3
present 9
prevent 2
primary 2
print 12
printed 1
printer 6
printing 2
prints 1
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process 5
processed 1
processes 2
processing 12
program 13
programs 1
provide 1
pulse 1
rd 4
rea 1
read 3
readable 2
reads 1
reaiize 1
realize 1
realized 4
realizing 1
rece 1
recv 1
received 5
receiving 11
recognized 1
record 2
recover 3
recovered 1
rectly 1
reference 38
related 1
relates 7
rema 1
remain 1
remaining 6
remalning 1
representat 1
representation 1
representationl 1

represented 2
represents 32
required 4
result 5
retained 1
rom 2
rst 2
running 1
said 3
same 1
sampl 1
sampling 1
scope 5
second 5
secret 1
security 2
sends 1
sent 9
shall 1
shorten 3
shortening 1
shown 2
side 5
single 1
sk 2
skilled 1
smaller 1
sniffing 1
so 1
software 1
softwares 1
solve 1
sp 1
specific 1
speed 1
step 32
still 1
stor 1
storage 9
stored 12
stores 1
storing 13
structure 6
subjected 3
such 9
sufficient 1
summary 1
suppl 1
supplied 1
supplying 1
synthesized 2
system 4
tabie 1
table 17
takes 1
tale 1
tape 1
tapped 1
taps 1
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tentativeiy 1
tentatively 11
terminals 1

th 9
than 1
that 6
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thereafter 9
therefore 5
therein 1
thereof 4
these 6
they 1
third 6
this 17
those 4
three 3
thus 1
time 5
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total 2
totall 1
totalling 1
transm 3
transmitt 1
transmitted 12
transmitting 15
ts 1
tt 1
tting 2
um 2
understood 1
unit 2
units 1
unknown 1
upper 10
us 1
use 1
used 4
user 1
using 4
valent 1
various 2
ved 1
vely 2
very 1
ves 2
via 1
vo 1
voice 16
vv 1
waveform 1
weight 3
wh 3
when 2
where 1
whereas 1
wherein 3
whether 2
which 14
while 1
whole 1
widely 2
will 5
wiretapping 1

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with 15
without 3
write 1
writing 1
yet 1


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2. **Reduced complexity face recognition using advanced correlation filters and Fourier subspace methods for biometric applications**

by Savvides, Marios, Ph.D., Carnegie Mellon University, 2004, 271 pages; AAT 3141086

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3. **Partial encryption for image and video communication**

by Cheng, Howard Chi Ho, M.Sc., University of Alberta (Canada), 1998, 87 pages; AAT MQ34345

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